AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) An automated method of updating data within a peer-to-peer enterprise information system comprising:

        publishing a data change for a source data type over a broadcast channel of said peer-to-peer enterprise information system;

        in response to said data change a join engine peer accessing a global attribute object model for identifying a dependent output entity, said output entity comprising a same attribute of said data change, and for identifying additional attributes for forming a modified attribute set;

        generating a query directed to a source system comprising said additional attributes for forming said modified attribute set; ~~and~~

        <u>transmitting said query to said source system; and</u>

        responsive to a reply from said source system, said join engine peer automatically forming said modified attribute set and publishing said modified attribute set to an output source system associated with said output entity.

2. (Original) A method as described in Claim 1 wherein said broadcast channel is associated with an adapter peer for a source system for said source data type.

3. (Original) A method as described in Claim 1 wherein said published data change includes at least one changed attribute and all other attributes of said source data type.

4. (Original) A method as described in Claim 3 wherein, if said additional attributes of said output entity are contained within said all other attributes of said source data type, said join engine peer forms said modified attribute set directly from said published data change.

5. (Original) A method as described in Claim 1 wherein said global attribute object model maps dependencies between output entity attributes and source entity attributes.

6. (Original) A method as described in Claim 1 wherein said forming comprises performing a data transformation.

7. (Original) A method as described in Claim 6 further comprising performing a data transformation for said published data change.

8. (Original) A method as described in Claim 7 wherein said performing a data transformation is by said join engine peer.

9. (Original) A method as described in Claim 8 wherein said performing a data transformation comprises automatically transforming said data change into a transformation script of a transformation language for implementation by said join engine peer.

10. (Currently Amended) A method as described in Claim 9 wherein said transformation language is ~~substantially~~ compliant with XSLT syntax.

11. (Currently Amended) A method as described in Claim 9 wherein said transformation language is ~~substantially~~ compliant with JAVA language syntax.

12. (Original) An automated method of updating data within a peer-to-peer enterprise information system comprising:

> in response to a data change broadcast over a broadcast channel, a join engine peer performing a data transformation for said data change and accessing a global attribute object model for identifying a dependent output entity, said output entity comprising a same attribute of said data change, and for identifying additional attributes for forming a modified attribute set;

> responsive to identifying said output entity and said additional attributes, generating a query directed to only source systems comprising said additional attributes for forming said modified attribute set;

> responsive to replies from said source systems, said join engine peer automatically performing a data transformation for said additional attributes and forming said modified attribute set; and

> publishing said modified attribute set to an output source system associated with said output entity.

13. (Original) A method as described in Claim 12 wherein said broadcast channel is associated with an adapter peer for a source system for said source data type.

14. (Original) A method as described in Claim 12 wherein said published data change includes at least one changed attribute and all other attributes of said source data type.

15. (Original) A method as described in Claim 14 wherein, if said additional attributes of said output entity are contained within said all other attributes of said source data type, said join engine peer forms said modified attribute set directly from said published data change.

16. (Original) A method as described in Claim 12 wherein said global attribute object model maps dependencies between output entity attributes and source entity attributes.

17. (Original) A method as described in Claim 12 wherein said performing a data transformation comprises automatically transforming said data change into a transformation script of a transformation language for implementation by said join engine peer.

18. (Currently Amended) A method as described in Claim 17 wherein said transformation language is ~~substantially~~ compliant with XSLT syntax.

19. (Currently Amended) A method as described in Claim 17 wherein said transformation language is ~~substantially~~ compliant with JAVA language syntax.

20 – 31. (Withdrawn)

32. (New) A computer readable medium containing software instructions embodied therein for causing a computer system to perform a method for updating data within a peer-to-peer system comprising, the method comprising:

    publishing a data change for a source data type over a broadcast channel of said peer-to-peer system;

    in response to said data change a join engine peer accessing a global attribute object model for identifying a dependent output entity, said output entity comprising a same attribute of said data change, and for identifying additional attributes for forming a modified attribute set;

    generating a query directed to a source system comprising said additional attributes for forming said modified attribute set;

    transmitting said query to said source system; and

responsive to a reply from said source system, said join engine peer automatically forming said modified attribute set and publishing said modified attribute set to an output source system associated with said output entity.

33. (New) The computer readable medium of Claim 32, wherein said broadcast channel is associated with an adapter peer for a source system for said source data type.

34. (New) The computer readable medium of Claim 32, wherein said published data change includes at least one changed attribute and all other attributes of said source data type.

35. (New) The computer readable medium of Claim 34, wherein, if said additional attributes of said output entity are contained within said all other attributes of said source data type, said join engine peer forms said modified attribute set directly from said published data change.

36. (New) The computer readable medium of Claim 32, wherein said global attribute object model maps dependencies between output entity attributes and source entity attributes.

37. (New) The computer readable medium of Claim 32, wherein said forming comprises performing a data transformation.

38. (New) The computer readable medium of Claim 37, further comprising performing a data transformation for said published data change.

39. (New) The computer readable medium of Claim 38, wherein said performing a data transformation is by said join engine peer.

40. (New) The computer readable medium of Claim 39, wherein said performing a data transformation comprises automatically transforming said data change into a transformation script of a transformation language for implementation by said join engine peer.

41. (New) The computer readable medium of Claim 40, wherein said transformation language is compliant with XSLT syntax.

42. (New) The computer readable medium of Claim 40, wherein said transformation language is compliant with JAVA language syntax.